

WHAT IS CLAIMED IS:

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1. An antenna unit for a mobile communications terminal, comprising:

an ¹²antenna housing extending from a main body of the mobile
 5 communications terminal, said antenna housing having therein a ^Hhelical antenna;

* a ³⁰whip antenna disposed retractably and extendably with respect to said
 antenna housing, having ³²[at one end an insulator] having a length shorter than a length
 of the helical antenna and at another end ³³a rod antenna; and

* a ⁴⁰conductive tube disposed in a longitudinal direction of the main body below
 10 the antenna housing, for receiving said rod antenna in the retracted and extended
 position of said whip antenna, whereby said insulator is positioned within said
 helical antenna when said whip antenna is fully retracted into said antenna housing.

2. An antenna unit according to claim 1, wherein said conductive tube is
 15 made of a metal component.

3. The antenna unit according to claim 1, wherein said conductive tube
 comprises on its inner surface an ⁴²insulating tube for isolation from said whip
 antenna.

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4. An antenna unit according to claim 3, wherein said insulating tube extends along said conductive tube.

5. An antenna unit according to claim 3, wherein one end of said insulating tube protrudes in a longitudinal direction from a corresponding one end of said conductive tube, and a diameter of the other end of said insulating tube is formed to downwardly decrease within a corresponding other end of said conductive tube.

6. An antenna unit according to claim 3, wherein a length of said rod antenna is longer a length of said insulating tube.

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7. The antenna unit according to claim 1, wherein a length of said insulator is shorter than that of said helical antenna.

8. An antenna unit according to claim 1, wherein said conductive tube is grounded to the main body.